

Date: Mon, 4 Jul 94 04:30:05 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #741  
To: Info-Hams

Info-Hams Digest                      Mon, 4 Jul 94                      Volume 94 : Issue 741

Today's Topics:

                    Anyone using JV-Fax6.0 ?  
        Daily Summary of Solar Geophysical Activity for 03 July  
                    Help! What is it?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: 4 Jul 1994 19:47:58 +1000  
From: ihnp4.ucsd.edu!usc!sdd.hp.com!caen!msuinfo!harbinger.cc.monash.edu.au!  
yarrina.connect.com.au!warrane.connect.com.au!vulpes.pwd.nsw.gov.au!  
vulpes.pwd.nsw.gov.au!not-for-mail@network.UCSD  
Subject: Anyone using JV-Fax6.0 ?  
To: info-hams@ucsd.edu

I have recently got a copy of this great program.  
I have only used it for weather fax so far, that is Wx charts  
broadcast by AXM from canberra.

I tried using the Listening Post i/f which uses an XR2211. However  
I could not find a suitable combination of pins connected, i/f selection  
in JVFAX to get it to work.

In desperation I built the so-simple 741 i/f comparator and it  
works beautifully.

My question is: how do I use the 2211 properly, it must be better  
with FSK decoding, filtering etc, shouldn't it??

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      _--_          _--_ _--_          _--_ | Paul Rodenhuis
    /---/\        /_/_//_/_//_/_//_/_/   /---/\ | Database Administration
|  __ \_/|       ||||| ||||| |||||   |  __ \_/| | Information Services Branch
| |__ ) /|       ||||| ||||| |||||   | |__ \_/| | NSW Public Works Dept
|  ___/         | /_/_ |/_/_ |/_/_ |/_/_ | |___/ | | paulr@pwd.nsw.gov.au (02)-372-7037 B
|_|/           \|_____/_/         |_|___/_/ | VK2AHB@VK2RWI (02)-449-9212 H

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03 JULY, 1994

[illegible]

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 03 JULY, 1994

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!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 184, 07/03/94
10.7 FLUX=086.4 90-AVG=079 SSN=061 BKI=3344 2223 BAI=015
BGND-XRAY=A5.9 FLU1=2.9E+06 FLU10=1.2E+04 PKI=3344 2233 PAI=014
BOU-DEV=030,026,046,046,015,015,013,029 DEV-AVG=027 NT SWF=00:000
XRAY-MAX= C1.0 @ 1504UT XRAY-MIN= A4.4 @ 0749UT XRAY-AVG= B1.0
NEUTN-MAX= +001% @ 1830UT NEUTN-MIN= -003% @ 2155UT NEUTN-AVG= -0.5%
PCA-MAX= +0.1DB @ 2200UT PCA-MIN= -0.4DB @ 1900UT PCA-AVG= -0.1DB
BOUTF-MAX=55318NT @ 2352UT BOUTF-MIN=55282NT @ 1742UT BOUTF-AVG=55302NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+081,+000,+000
GOES6-MAX=P:+142NT@ 1810UT GOES6-MIN=N:-055NT@ 0001UT G6-AVG=+109,+037,-025
FLUXFCST=STD:086,086,086;SESC:086,086,086 BAI/PAI-FCST=015,010,010/015,010,015

```

KFCST=3432 3323 2332 2322 27DAY-AP=019,017 27DAY-KP=4334 3344 4343 3323  
WARNINGS=

ALERTS=\*\*245STRM:0025-1642UTC(MODERATE-INTENSITY)  
!!END-DATA!!

NOTE: The Effective Sunspot Number for 02 JUL 94 was 17.8.  
The Full Kp Indices for 02 JUL 94 are: 3o 5- 5- 5+ 3+ 3o 3o 4-  
The 3-Hr Ap Indices for 02 JUL 94 are: 16 38 42 56 19 15 15 25  
Greater than 2 MeV Electron Fluence for 03 JUL is: 1.0E+09

#### SYNOPSIS OF ACTIVITY -----

Solar activity was low due to a C1/SF flare from Region 7742 (S09W11) at 1505Z. Some minor growth was observed in portions of this region along with minor decay in others. Two moderately large filaments located near N42E05 and N27W31 faded early in the period.

Solar activity forecast: solar activity should continue mostly low for the next three days. The possibility of a small isolated M-class flare from Region 7742 remains.

The geomagnetic field ranged from quiet to active levels. Some high latitude sites experienced minor-major storm conditions in the late morning hours. The energetic electron fluxes were at mostly moderate levels.

STD: Overall electron fluence at greater than 2 MeV was at moderate to high levels. This is in close keeping with the established recurrent trend.

Geophysical activity forecast: the geomagnetic field should be mostly unsettled for the next three days. Some active levels are possible during local nighttimes.

Event probabilities 04 jul-06 jul

Class M	15/15/15
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 04 jul-06 jul

A. Middle Latitudes	
Active	30/25/20

Minor Storm	15/10/10
Major-Severe Storm	01/01/01

B. High Latitudes	
Active	30/25/30
Minor Storm	20/15/20
Major-Severe Storm	05/01/05

HF propagation conditions were near-normal over the low and middle latitudes. High and polar latitude paths saw below-normal propagation during the local night sectors, but were otherwise near-normal. Similar conditions are expected over the next 3 days, through 06 July inclusive.

# COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

## REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 03/2400Z JULY

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7742	S09W12	230	0180	DAC	06	018	BETA	
7743	S10W00	218	0000	AXX	00	001	ALPHA	
7745	N09E01	217	0000	AXX	00	001	ALPHA	
7746	N11E62	156	0110	HSX	02	001	ALPHA	

REGIONS DUE TO RETURN 04 JULY TO 06 JULY

NMBR	LAT	LO
7731	N09	123

## LISTING OF SOLAR ENERGETIC EVENTS FOR 03 JULY, 1994

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
0904	0906	0906						150	

## POSSIBLE CORONAL MASS EJECTION EVENTS FOR 03 JULY, 1994

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
A02/2300Z		B03/0011Z	N42E05	DSF				
A02/2300Z		B03/0011Z	N27W31	DSF				

## INFERRED CORONAL HOLES: LOCATIONS VALID AT 03/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS								
EAST	SOUTH	WEST	NORTH	CAR	TYPE	POL	AREA	OBSN
NO DATA AVAILABLE FOR ANALYSIS								

# SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

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Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

NO EVENTS OBSERVED.

# REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

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	C	M	X	S	1	2	3	4	Total	(%)
	---	---	---	---	---	---	---	---	---	-----
Uncorrelated:	0	0	0	0	0	0	0	0	000	( 0.0)

Total Events: 000 optical and x-ray.

# EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

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Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
-----	-----	-----	-----	-----	-----	-----	-----	-----

NO EVENTS OBSERVED.

## NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

\*\* End of Daily Report \*\*

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Date: 4 Jul 1994 10:57:10 GMT  
From: ihnp4.ucsd.edu!agate!soda.berkeley.edu!remailer@network.ucsd.edu  
Subject: Help! What is it?  
To: info-hams@ucsd.edu

In <2uuga7\$8s2@usenet.INS.CWRU.Edu>  
at626@cleveland.Freenet.Edu (Dave Strout) writes:

>I bought this at a thrift store. I've always wanted one. The only question  
>I have is, what is it?

Probably not a bargain. :-)

Bob - WB9LTN

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For information about this Usenet posting service, send mail to  
remailer@soda.berkeley.edu, with Subject: remailer-info.  
Please, don't throw knives.

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End of Info-Hams Digest V94 #741  
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